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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/751,193	12/31/2003	Everett B. Lee	42.P18035	2545	
8791	7590 01/27/2005		EXAMINER		
	SOKOLOFF TAYLO HIRE BOULEVARD	ERDEM, FAZLI			
SEVENTH F		ART UNIT	PAPER NUMBER		
LOS ANGEI	LES, CA 90025-1030		2826		

DATE MAILED: 01/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application N	o.	Applicant(s)				
Office Action Summary		10/751,193		LEE, EVERETT B.				
		Examiner		Art Unit				
		Fazli Erdem	ļ	2826				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
A SHO THE N - Exten after 3 - If the - If NO - Failur Any re	DRTENED STATUTORY PERIOD FOR F MAILING DATE OF THIS COMMUNICAT sions of time may be available under the provisions of 37 C SIX (6) MONTHS from the mailing date of this communicat period for reply specified above is less than thirty (30) days period for reply is specified above, the maximum statutory to to reply within the set or extended period for reply will, by eply received by the Office later than three months after the d patent term adjustment. See 37 CFR 1.704(b).	ION. CFR 1.136(a). In no event, h ion. s, a reply within the statutory period will apply and will exp statute, cause the applicatic	owever, may a reply be tim minimum of thirty (30) day: ire SIX (6) MONTHS from on to become ABANDONE!	nely filed s will be considered timel the mailing date of this c D (35 U.S.C. § 133).	y. ommunication.			
Status								
1)	Responsive to communication(s) filed on	06 December 2004						
·	This action is FINAL . 2b) \boxtimes This action is non-final.							
'	Since this application is in condition for a	llowance except for	formal matters, pro	secution as to the	e merits is			
•	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims							
5)□ 6)⊠ 7)□	Claim(s) 1-22 is/are pending in the application. 4a) Of the above claim(s) 1-11 and 17-22 is/are withdrawn from consideration. Claim(s) is/are allowed. Claim(s) 12-16 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or election requirement.							
Application	on Papers							
10) 🔲 -	The specification is objected to by the Exact The drawing(s) filed on is/are: a) Applicant may not request that any objection Replacement drawing sheet(s) including the Country of the oath or declaration is objected to by the country of the	accepted or b) content of the drawing (s) be held correction is required if	eld in abeyance. See the drawing(s) is obj	e 37 CFR 1.85(a). jected to. See 37 Cl	- •			
Priority u	nder 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
2) Notice 3) Inform	(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-94 nation Disclosure Statement(s) (PTO-1449 or PTO/5 No(s)/Mail Date <u>12/31/2003</u> .		\neg		O-152)			

Application/Control Number: 10/751,193 Page 2

Art Unit: 2826

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 12-17 rejected under 35 U.S.C. 103(a) as being unpatentable over Shin et al. (6,495,467) in view of Graas et al. (2002/0038911) further in view of Lee et al. (6,197,639)

Regarding Claims 12-17, Shin et al. disclose a method of fabricating a non-volatile memory device where in claims 11, 18, 27 and 35 and in Fig. 9, interlayer dielectric layer 109, gate stack and active regions F1' are disclosed. Shin et al. fail to disclose the required slot/pattern in interlayer dielectric and the required bit lines. However, Graas et al. disclose surface modified interconnects where in claims 9 and 20 the required slot/pattern in the interlayer dielectric is disclosed. Furthermore, Lee et al. disclose a method for manufacturing NOR-type flash memory device where the required bit lines are disclosed in claims 1, 2, 7 and 9.

It would have been obvious to one of having ordinary skill in the art at the time the invention was made to include the required pattern/slot in interlayer dielectric and the required bit lines in Shin et al. as taught by Grass et al. and Lee et al. respectively, in order to have a flash memory device with increased performance.

Conclusion

Application/Control Number: 10/751,193

Art Unit: 2826

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Fazli Erdem whose telephone number is (571) 272-1914. The examiner can normally be reached on M - F 8:00 - 5:00.

Page 3

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on (571) 272-1915. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

FE January 24, 2004

> NATHAN J. FLYNN SUPERVISORY PATENT EXAMINED TECHNOLOGY CENTER 2800